

1 What is claimed is:

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3 1. A method for applying information to an appliance via both a mobile device
4 and a computer system, the method comprising:

5 transmitting an information request from the mobile device to the
6 computer system via a first communication network;

7 generating a list of all available information as a first part of a response
8 to the information request;

9 transmitting the list of all available information from the computer system
10 via the first communication network to the mobile device as a second part of
11 the response to the information request;

12 designating from the list of all available information a designated
13 information to be processed and the appliance to which the designated
14 information is to be applied as instructions in the mobile device;

15 transmitting the instructions from the mobile device to the computer
16 system via the first communication network; and

17 retrieving the designated information and applying the designated
18 information to the appliance via a second communication network for
19 processing according to the instructions.

20
21 2. The method of Claim 1, wherein the information is stored in a first sub-
22 computer system, and wherein the first part of the response to the
23 information request comprises:

24 instructing via a third communication network a second sub-computer
25 system to download all available information from the first sub-computer
26 system to the second sub-computer system;

27 downloading all available information from the first sub-computer system
28 to the second sub-computer system via a fourth communication network;

29 generating the list of all available information by the second sub-
30 computer system; and

transmitting the list of all available information from the second sub-computer system via the third communication network to the computer system.

3. The method of Claim 1, wherein the method further comprises:

converting the designated information to a formatted information suitable for the appliance by the computer system according to the instructions;

transmitting the formatted information from the computer system to the appliance via the second communication network according to the instructions; and

applying the formatted information to the appliance for processing according to the instructions.

4. The method of Claim 1, wherein a plurality of appliances is connected to the computer system, the mobile device further designating the appliance among said plurality of appliances in the instructions.

5. The method of Claim 4, wherein said plurality of appliances is registered in the computer system.

6. The method of Claim 4, wherein the mobile device designates the appliance by specifying the appliance identity in the instructions.

7. The method of Claim 4, wherein the plurality of appliances is connected to an appliance server as a remote part of the computer system, and wherein the appliance server converts the designated information to a formatted information suitable for the appliance.

8. The method of Claim 1, wherein the first communication network includes a gateway with which the mobile device communicates by using standard

telecommunication protocols, and the gateway converts the instructions to a format which the computer system understands.

9. The method of Claim 1, wherein the appliance is a printer, and the computer system converts the designated information to a print job in a format suitable for printing.

10. The method of Claim 9, wherein the computer system converts the designated information to a PDL format suitable for printing.

11. The method of Claim 2, wherein the second sub-computer system is only able to download all available information from the first sub-computer system if the first sub-computer system polls the second sub-computer system.

12. The method of Claim 3, wherein the computer system is only able to transmit the formatted information to the appliance if the appliance polls the computer system.

13. The method of Claim 1, wherein the computer system transmits a message to the mobile device after applying the designated information to the appliance.

14. A computer system which allows a user of a mobile device to apply information to an appliance designated by the mobile device, wherein the appliance is connected to the computer system, the computer system comprising:

a first interface for receiving both information requests and instructions from the mobile device via a first communication network, wherein the

1 instructions designate the information to be processed and the appliance to
2 which designated information is to be applied;

3 a second interface for sending the designated information to the
4 appliance via a second communication network; and

5 a server computer system connected to the first interface and the
6 second interface, for processing and answering the information requests, for
7 processing the instructions, and further for sending the designated
8 information to the appliance for processing.
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10 15. The computer system of Claim 14, wherein the information is stored in a
11 first sub-computer system, wherein the first sub-computer system is
12 connected to the computer system, wherein the information requests
13 designate the first sub-computer system, and wherein the computer system
14 further comprises a third interface connected to the server computer system
15 for receiving the information sent from the first sub-computer system via a
16 third communication network.
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18 16. The computer system of Claim 15, wherein the computer system further
19 comprises a fourth interface connected to the server computer system for
20 sending the information received from the first sub-computer system to a
21 second sub-computer system via a fourth communication network.
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23 17. The computer system of Claim 14, wherein the first communication network
24 and the second communication network share a part of one common
25 communication network.
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27 18. The computer system of Claim 16, wherein at least two of the group
28 comprising the first communication network, the second communication
29 network, the third communication network, and the fourth communication
30 network, share a part of one common communication network.

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2 19. The computer system of Claim 14, wherein the server computer system
3 converts the designated information to a format suitable for the appliance.

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20. The computer system of Claim 14, wherein the appliance is a printer, and the server computer system converts the designated information to a print job in a format suitable for printing.

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